



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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नई विल्सनी, शनिवार, जून 29, 1974 (आषाढ़ 8, 1896)

No. 26]

NEW DELHI, SATURDAY, JUNE 29, 1974 (ASADHA 8, 1896)

इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation).

## भाग III—खण्ड 2

## PART III—SECTION 2

वेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और सूचनाएं।

## Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 29th June 1974

## CORRIGENDUM

In the Gazette of India, Part-III, Section 2 dt. 27-10-1973 in page 566, Column 2, under the heading "Cessation of Patents".

Delete No. "115923"

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th June 1974

1251/Cal/74. V. M. Goyal. Improvements in or relating to springs.

1252/Cal/74. Scientific Repairs &amp; Trading Company (Private) Limited. Improved dial type thermometer or dial type pressure gauge.

1253/Cal/74. Rabindra Nath Bose. Valveless filter.

1254/Cal/74. Messerschmitt-Bolkow-Blohm Gesellschaft mit beschränkter Haftung. Improvements relating to propulsion units for liquid-fuelled rockets.

1255/Cal/74. Imperial Chemical Industries Limited. Water-resistant fuse-cord. (July 4, 1973).

1256/Cal/74. Westinghouse Electric Corporation. A flexible prepreg for high voltage devices.

1257/Cal/74. Gebr. Bohler &amp; Co. Aktiengesellschaft. Improvements in or relating to austenitic iron-chromium nickel alloys.

1258/Cal/74. Gebr. Bohler &amp; Co. Aktiengesellschaft. Process for the manufacture of roll-plate material.

127GI/74

1259/Cal/74. The Chief Engineer, Heavy Electrical Equipment Plant, Bharat Heavy Electricals Limited. Arrangement for inflating sealings on the end faces of guide vanes (wicket gates) of hydroturbines.

1260/Cal/74. Bunker Ramo Corporation. Pressure transducer.

1261/Cal/74. Mobil Oil Corporation. Xylene isomerization.

1262/Cal/74. Maschinenfabrik Rieter A.G. Open-end spinning machine. (July 25, 1973).

1263/Cal/74. Smt. Rina Bala. Improvements in or relating to lance tip.

11th June 1974

1264/Cal/74. Westinghouse Electric Corporation. Novel discharge lamp and coating.

1265/Cal/74. Rca Corporation. Semiconductor device including an insulated gate field effect transistor and method for its manufacture.

1266/Cal/74. Halcon International Inc. The method of preparing 1, 2, 4-tricyanobutane. [Divisional date October 30, 1972].

1267/Cal/74. Halcon International Inc. Method of preparing 1, 4-dicyanobutenes. [Divisional date October 30, 1972].

1268/Cal/74. May &amp; Baker Limited. Azapurinone derivatives. (June 12, 1973). [Addition to No. 133933].

1269/Cal/74. Science Union Et Cie. Process for preparing n-arylsulfonyl n'-(3-azabicycloalkyl) ureas.

1270/Cal/74. Imperial Chemical Industries Limited. Nitrogen-containing compounds.

1271/Cal/74. G. D. Societa' Per Azioni. Apparatus for producing out of a web of reel wound material, a

continuous succession of pieces or sheets, particularly suitable for infeeding cut pieces of wrapping material to wrapping machines.

1272/Cal/74. Ciba-Geigy Ag. New disperse dyestuffs.

1273/Cal/74. British Steel Corporation. Improvements in or relating to the testing of articles. (June 19, 1973).

1274/Cal/74. British Steel Corporation. Improvements in or relating to the testing of articles. (June 19, 1973).

1275/Cal/74. Heinrich Koppers Gesellschaft Mit Beschränkter Haftung. Process for the detoxification of cyanide-containing effluents.

1276/Cal/74. Pandrol Limited. A pad for positioning under a railway rail and an assembly including the pad. (June 21, 1973).

1277/Cal/74. Apaw S.A. Ice cream shake making machine.

1278/Cal/74. Rotork Limited. Improvements in or relating to pressure equalizing arrangements.

1279/Cal/74. Union Carbide Corporation. Catalytic process for polyhydric alcohols and derivatives.

1280/Cal/74. M/s. Auto and Cable Manufacturing Co. Electrical wire cutter and scrapper.

1281/Cal/74. J.P. Palkhiwala. Variable speed drive mechanism.

12th June 1974

1282/Cal/74. The Singer Company. Multiple pattern sewing machine.

1283/Cal/74. American Flange & Manufacturing Co. Inc. Plastic bonded closure.

1284/Cal/74. The Singer Company. Electromechanical disc adder mechanisms.

1285/Cal/74. Thermal Syndicate Limited. High temperature thermocouple.

1286/Cal/74. Rca Corporation. Method of making a compact guard-banded mos integrated circuit device.

1287/Cal/74. Great Lakes Carbon Corporation. Method and apparatus for cooling and de-dusting hot particulate material.

1288/Cal/74. (1) Gosudarstvenny Sojuzny Institut Po Proektirovaniyu Metallurgicheskikh Zavodov and (2) Vsesojuzny Nauchno-Issledovatel'sky Institut Metallurgicheskoi Teplotekhniki. Apparatus for producing granulated slag.

1289/Cal/74. The Chief Controller Research and Development, Ministry of Defence, Government of India, New Delhi (India). Process for preparing a low temperature plastic explosive.

1290/Cal/74. Rotork Limited. Improvements in or relating to actuators.

1291/Cal/74. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Apparatus for interrupting the supply of silver in open-end spinning machines.

1292/Cal/74. Toth Aluminium Corporation. Production of aluminum chloride from raw materials containing coal.

1293/Cal/74. Michelin & Cie (Compagnie Generale des Etablissements Michelin). Pneumatic tire with reinforced carcass and tread.

1294/Cal/74. Montefibre S.p.A. Continuous process for preparing a spinning solution of acrylic polymers.

1295/Cal/74. Gebr. Bohler & Co. Aktiengesellschaft. Improvements in or relating to austenitic iron-chromium-nickel alloys for construction.

13th June 1974

1296/Cal/74. G.R. Gode and R. S. Thapar. Improved thermostabilized inhaler for analgesia.

1297/Cal/74. Rhone-Poulenc S.A. Epoxidation of olefinic compounds.

1298/Cal/74. American Home Products Corporation. Process for the preparation of steroid compounds. [Divisional date August 19, 1966].

1299/Cal/74. American Home Products Corporation. Process for the preparation of steroid compounds. [Divisional date August 19, 1966].

1300/Cal/74. Electric Power Storage Limited. Electric storage batteries. (June 14, 1973).

1301/Cal/74. Kali-Chemie Aktiengesellschaft. Process for the production of coumarone derivatives.

1302/Cal/74. Mobil Oil Corporation. Xylene isomerization.

1303/Cal/74. Burroughs Corporation. Timing control in semi conductor memory systems.

1304/Cal/74. (1) Institut Problem Materialovedenia Akademii Nauk Ukrainskoi Ssr. and (2) Poltavsky Zavod Iskusstvennykh Almazov i Almaznogo Instrumenta. Method for producing of polycrystalline boron nitride.

14th June 1974

1305/Cal/74. M.W. Gustafson (Engineer) and K. R. Loqvist (Engineer). Wave generator.

1306/Cal/74. Smithkline Corporation. Trifluoromethylmercaptoacetylidocephalosporins. (July 6, 1973).

1307/Cal/74. 1. A.B. Tjutjunnikov, 2. B. N. Tjutjunnikov, 3. A. N. Marchenko, 4. V. L. Butin, 5. J. M. Bolotin, 6. A. S. Drozdov, 7. L. P. Koval, 8. Z. V. Didenko, 9. G. V. Ljubushkin, 10. J. M. Budnik, 11. V. D. Moskvin and 12. D. M. Bolyanovsky. Column for heat-and-mass exchange between gas and liquid.

1308/Cal/74. Asahi Kasei Kogyo Kabushiki Kaisha. Apparatus for continuously heat-treating fibrous materials under pressure.

1309/Cal/74. Montedison S.p.A. Process for the preparation of 3-keto-glutaric acid by carboxylation of acetone in glime.

1310/Cal/74. Teijin Hercules Chemical Co. Ltd. Method for the recovery of dimethyl terephthalate and intermediate products thereof.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE (BOMBAY BRANCH)

24th May 1974

198/Bom/74. M. N. Ram. Mayya liner.

25th May 1974

199/Bom/74. Momsha Jayant Enterprises. Pneumatic diaphragm cylinder.

200/Bom/74. K. K. Gupta. Improvements made in the method of joining a handle to a metallic container.

201/Bom/74. K. K. Gupta. Improvements made in or relating to the metallic handle of metallic kettle.

202/Bom/74. Harish Textile Engineers Private Limited. Mini-steam generator.

203/Bom/74. P. J. Haribhakti. Electric electronic device for protecting electrical machinery and equipment against multi-failures.

27th May 1974

204/Bom/74. R. H. Agarwal. Room heating arrangement in Air Cooler.

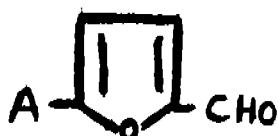
205/Bom/74. P. B. Adyanthaya. An apparatus for exercising the human-body.

206/Bom/74. Larsen & Toubro Limited. A push-pull type dispensing closure for a bottle or like container.

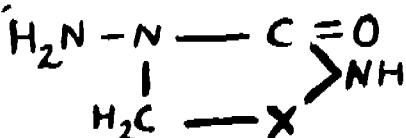
207/Bom/74. Larsen & Toubro Limited. A dispensing closure for a bottle or like container.



group consisting of nitro, cyano, amino, chloro, bromo, acetyl, methyl, carboxy, trifluoromethyl and hydrogen; X is a member of the group consisting of carbonyl and methylene; and Y is a member of the group consisting of hydroxyethyl, hydrogen, butyl and 4-pyridylethyl which comprises reacting an aldehyde of the formula



wherein A has the significance ascribed above with a hydrazine of the formula



wherein X is a member of the group consisting of carbonyl and methylene to produce a compound wherein Y is hydrogen and thereafter reacting with an alkylating agent to produce a compound wherein Y is hydroxyethyl, butyl or 4-pyridylethyl.

CLASS 32F2b.

108188

PROCESS FOR PREPARING ESTERS OF BENZIMIDAZOLYL CARBAMIC ACIDS.

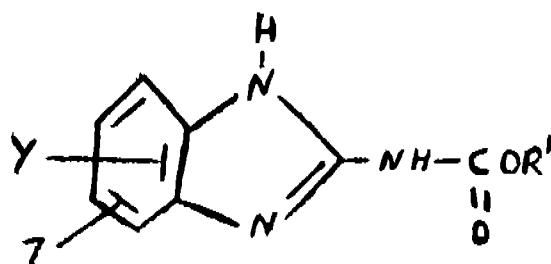
SMITH KLINE & FRENCH LABORATORIES, OF 1500 SPRING GARDEN STREET, CITY OF PHILADELPHIA, COMMONWEALTH OF PENNSYLVANIA, U.S.A.

Application No. 108188 filed November 29, 1966.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for preparing a compound of the formula



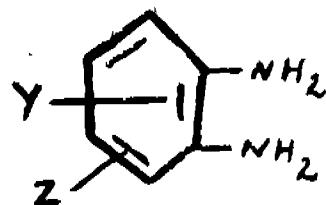
wherein R' is alkyl straight or branched having from one to six carbon atoms; cycloalkyl including alkyl cycloalkyl containing from three to six carbon atoms; alkenyl straight or branched chain containing from two to six carbon atoms; or phenyl;

Y is alkyl straight or branched having from one to six carbon atoms, alkoxy straight or branched having from two to six carbon atoms, chloro, phenyl, alkyl thio, alkylamino, dialkylamino, dialkylaminoalkyl, cyano, carboxy, carbalkoxy from two to seven carbon atoms, with the alkyl substituents not specifically defined having from one to seven carbon atoms; and Z is hydrogen, alkyl straight or branched from one to six carbon atoms, or alkoxy straight or branched from one to six carbon atoms; comprising treating as S-lower alkyl pseudothiourea sulfate the lower alkyl radical having from 1 to 6 carbon atoms in the presence of a base, with one to two equivalents of a compound of the formula

O

Cl-C(=O)R' where R' is as defined above, and condensing the

reaction product with a  $\delta$ -phenylenediamine of the formula



where Y and Z are as defined above, in the presence of an acid.

CLASS 32F1+F2a+F2b.

120944.

PROCESS FOR PREPARING NEW STEROIDS

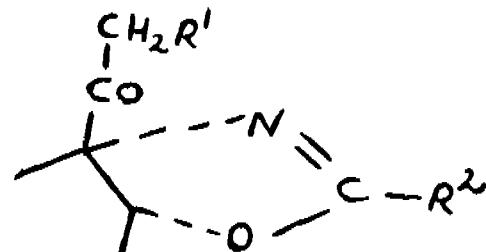
GRUPPO LEPESTIT S.P.A. OF VIA ROBERTO LEPESTIT 8, MILAN, ITALY.

Application No. 120944 filed April 16, 1969.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A process for preparing a 2'-substituted steroido-oxazoline of the formula 1.



Formula 1

wherein R' is a member of the class consisting of hydrogen, hydroxy and acyloxy, R2 is a member of the class consisting of lower alkyl and aryl, which comprises refluxing a 2'-unsubstituted steroido-oxazoline of the formula shown in

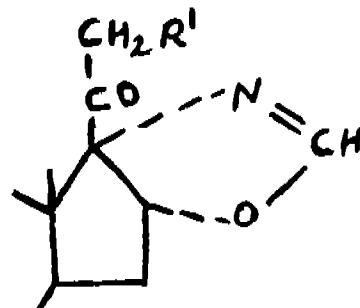


Fig 3

wherein R' has the above significance, with a mixture of dilute aqueous hydrochloric acid and a lower alkanol containing from 1 to 8 carbon atoms, and heating the obtained

hydrochloride of the 16  $\alpha$ -hydroxy-17 $\alpha$ -aminosteroid of the formula shown in Fig. 4

of the drawings with a carboxylic acid anhydride in the presence of a tertiary nitrogen base.

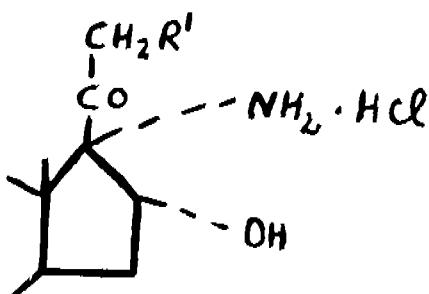


Fig. 4

CLASS 32F<sub>1</sub>+F<sup>0</sup>b.

120961.

## PROCESS FOR THE PREPARATION OF COUMARIN DERIVATIVES.

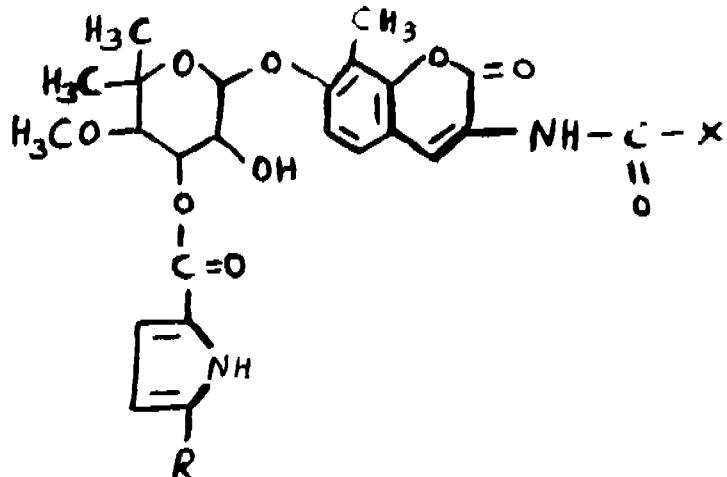
BRISTOL-MYERS COMPANY, AT 630 FIFTH AVENUE,  
NEW YORK, NEW YORK, U.S.A.

Application No. 120961 filed April 17, 1969.

Appropriate office or opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

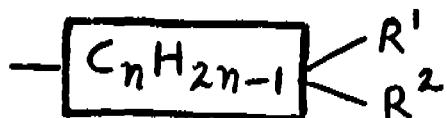
## 7 Claims

A process for the preparation of compounds having the formula

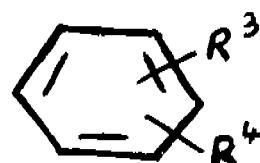
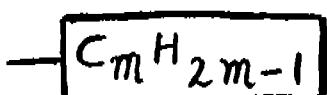


wherein R is hydrogen or methyl, and X is a group of the formula

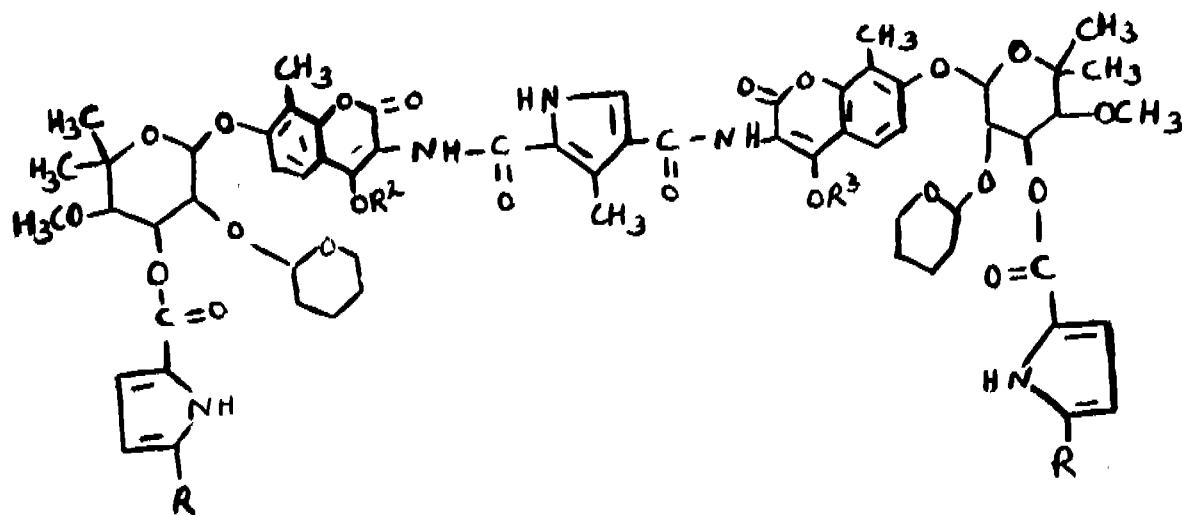
in which  $n$  is an integer of 1 to 21,  $m$  is an integer of 2 to 21,  $R^1$  and  $R^2$  are alike or different and are hydrogen, cyclohexyl or a radical for the formula



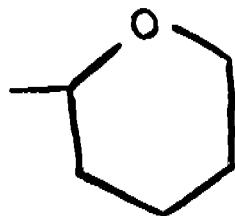
ot



wherein 3<sup>a</sup> and R<sup>4</sup> are alike or different and each represents hydrogen, fluoro, chloro, bromo, iodo, trifluoromethyl, amino, N, N-di (lower) alkylamino, nitro, cyano, (lower) alkyl, (lower) alkenyl, (lower) alkynyl, (lower) alkoxy, hydroxy, carboxy, carb (lower) alkoxy, acetoxy, mercapto, thioacetoxy or (lower) alkylthio and the nontoxic pharmaceutically acceptable cationic salts thereto; which process comprises reacting a compound or compounds of the formula

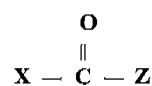


wherein R is hydrogen or methyl and R<sup>2</sup> and R<sup>3</sup> are the same or different and are hydrogen or a radical of formula

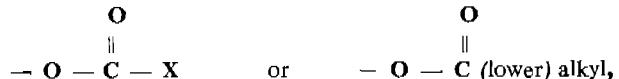


with at least an equimolar amount of an acylating agent of the

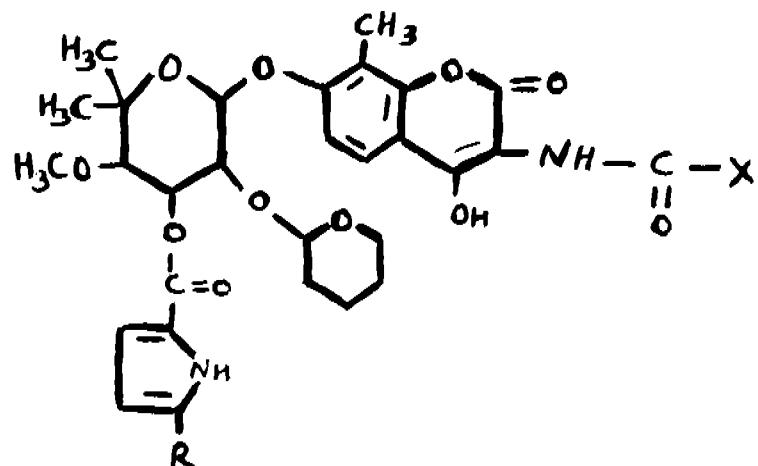
### formula



wherein X is as described above and Z is halogen or a group of the formula



at a temperature of from -25°C. to 150°C., in a proton-accepting solvent system, to produce an intermediate tetrahydropyranyl ether compound of the formula



wherein R and X are as described above, and allowing said compound to stand in a polar solvent in the presence of a catalytic amount of an acid, as herein described, at a temperature above 0°C. to cleave the tetrahydropyranyl ether linkage and produce the desired compound of formula II.

CLASS 32E1+E2a+E2b. 129966.

## PROCESS FOR PREPARING STEROIDO-OXAZOLIDINES AND/OR STEROIDO-OXAZOLIDINO-OXAZINES.

GRUPPO LEPIKIT, S. P. A. OF 8, VIA ROBERTO  
LEPETIT, MILAN, ITALY.

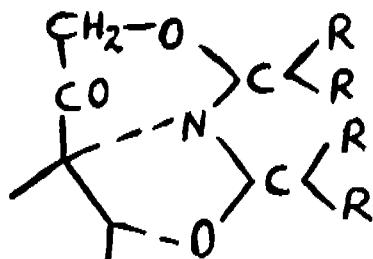
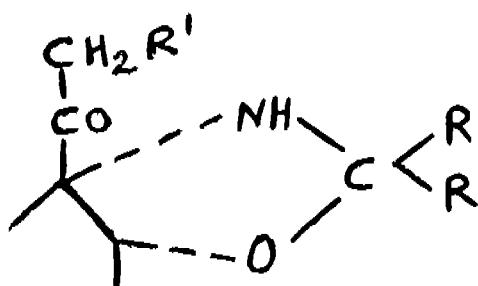
Application No. 129966 filed January 16, 1971.

Division of Application No. 120944 filed April 16, 1969.

Appropriate office for opposition proceedings (Rule 4.  
Patents Rules, 1972) Patent Office, Calcutta.

### 3. Claims:

A process for preparing steroid-oxazolidines and/or steroid-oxazines of the formula II. Formula



in which R' is hydrogen, hydroxy or acyloxy and each of the symbols R is independently hydrogen, lower alkyl or ayl which comprises contacting a 16 $\alpha$ -hydroxy-17 $\alpha$ -aminosteroid of the formula shown in Fig. 4.

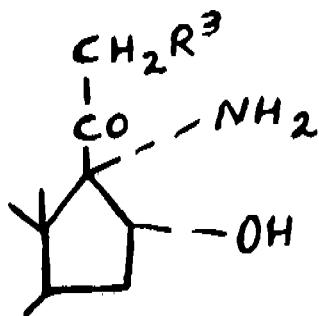


Fig 4

wherein R' is a member of the class consisting of hydrogen and acyloxy, with a carbonyl compound RCOR, or a functional derivative thereof, in which the symbols R have the above significance, at a temperature between 0°C and the boiling temperature of the carbonyl compound or of its functional derivative, and when R' in the compound of the formula shown in Fig. 4 of the drawings stands for acyloxy, optionally subjecting the compound to hydrolysis to remove the acyl group.

CLASS 129Q & 141C+D.

132559.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR MAKING MINERAL PRODUCTS FOR USE IN ELECTRIC ARC WELDING.

ASSOCIATED MINERALS CONSOLIDATED LIMITED, OF FERRY ROAD, SOUTHPORT, QUEENSLAND, COMMONWEALTH OF AUSTRALIA.

Application No. 132559 filed August 18, 1971.

Convention date August 24, 1970 (2289/70) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims—No drawings.

A method of making a mineral product in integral granular or powdery form, the said product comprising substantial proportions (as herein described) by weight of titanium dioxide and metallic finely divided iron, said titanium dioxide and iron both being disseminated throughout the grains or particles the said method comprising the steps of heating ilmenite (as herein defined) to a temperature in the range 600 to 1300°C, and thereafter treating the thus-heated ilmenite with a solid and/or gaseous reducing agent whereby the iron oxides of the ilmenite are entirely or substantially reduced to metallic form.

CLASS 68E1 & 112E.

133037

AN AUTOMATIC DEVICE FOR REDUCING GLARE OF HEADLAMPS OF MOTOR VEHICLES.

MOHAMMED GHOUSE SHAIK DAWOOD DAWOOD, OF 32, MAROOF SAHIB STREET, MOUNT ROAD, MADRAS-600002, TAMIL NADU, INDIA AND MRS. KHURSHID DAWOOD, OF 32, MAROOF SAHIB STREET, MOUNT ROAD, MADRAS-600002, TAMIL NADU, INDIA.

Application No. 133037 filed September 24, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims.

An automatic device for reducing glare of headlamps of motor vehicles comprising at least one photo-electric element

for being mounted on a motor vehicle so as to receive light from oncoming vehicular traffic and generate current; a transistorised amplifier connected to the said photo-electric element for amplifying said current said amplifier deriving power from a direct current source, such as, the batter of said motor vehicle; a known shutter diaphragm for being mounted between the bulb-reflector assembly and the front cover glass of each headlamp of said motor vehicle, the said diaphragm, when open, permitting the full light of the said headlamp to pass through, but when closed, leaving only a small aperture so as to permit less light to pass through and thus reduce glare; a spring-loaded lever provided for closing and opening said diaphragm; a solenoid provided for the said diaphragm and having a spring-loaded plunger, said solenoid being energised by power from said direct-current source only when its circuit is closed; and an electro-magnetic relay which, when activated by the output current of said amplifier, is adapted to close the circuit of the said solenoid; the arrangement being such that when the said element receives light from oncoming vehicular traffic and the current generated in the said element results in a value of output current of the amplifier sufficient to activate the said relay, the said solenoid is energised and causes the said plunger to actuate the said lever and close the diaphragm, so as to reduce the glare of each headlamp of said motor vehicle, and such that when the said output current falls to a value insufficient to maintain the relay activated, the solenoid is de-energised and causes the said plunger to revert to rest, under spring-tension, to permit the said lever to revert to rest, under spring-tension, and open the said diaphragm.

CLASS 14A2+C+D2.

133960.

OXYGEN ELECTRODE FOR POWER SOURCES.

SHRIMATHI SAROJINI MATHUR S-1, CECRINAGAR, KARAIKUDI-3, TAMILNADU, INDIA.

Application No. 133960 filed December 16, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims—No drawings.

Oxygen electrode comprising a mix of natural sand 99% to 70% or its constituent like silicon dioxide or titanium dioxide and a conducting material like acetylene black 1 to 30% and any known non wetting binder material pasted and pressed over a conducting grid structure.

CLASS 27-I & 131C.

133631.

A NEW METHOD OF GROUTING ROOF BOLT.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 133631 filed November 16, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A grouted bolt for supporting weak ground comprising a reinforcing bar rammed into a sleeve containing a cementing material characterised in that the sleeve is cylindrical in shape and is filled up with a cement material and inserted into a drill hole, and the reinforcing bar is rammed into the sleeve, the cementing material comes out and fills the drill hole upto the sleeve length thereby grouting the bar fully or partially, thus doing away with the need for expensive perforated tubes cut in two halves of the known device.

CLASS 32A1.

133967.

PROCESS FOR THE PRODUCTION OF AZO DYE-STUFFS.

BAYER AKTIENGESELLSCHAFT, FORMERLY KNOWN AS FARBNFABRIKEN BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 133967 filed December 16, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Process for the production of azo dyestuffs, characterized in that azo-barbituric acid is heated in an aqueous, aqueous-

organic or organic medium such as heroin described, with salts or complex compounds of polyvalent metals wherein the polyvalent metals are magnesium, barium strontium, aluminium, zinc, manganese, iron, Cobalt, nickel, copper or cadmium or mixture thereof.

CLASS 104F+P.

134076.

## IMPROVED METHOD FOR VULCANIZATION OF VULCANIZABLE DIENE RUBBER.

MONSANTO COMPANY, 800 NORTH LINBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, U.S.A.

Application No. 134076 filed December 27, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An improved method for vulcanization of a vulcanizable diene rubber containing a sulfur vulcanizing agent such as hereindefined wherein premature vulcanization as herein described of said vulcanizable rubber is inhibited by incorporating therein in an amount effective to inhibit premature vulcanization a material selected from the group consisting of

- (a) monomer of the formula  

$$(R[-SO_2N(R')-S]-)_n R'']$$

where  $n$  is 1, 2 or 3 and  $n'$  is 1, 2, 3 or 4,  $n$  and  $n'$  simultaneously being not greater than 1,

when  $n'$  is 1,  $R''$  is monovalent selected from the group consisting of aryl where aryl is phenyl, naphthyl or xenyl; substituted said aryl wherein the substituents are lower alkyl, halogen, lower alkoxy, combinations thereof or, with the proviso that  $n$  is 1 and  $R$  is lower alkyl hydrocarbon, nitro; alkyl hydrocarbon of 1 to 20 carbon atoms; phenyl substituted lower alkyl hydrocarbon; unsubstituted mono-and bicycloalkyl of 5 to 12 ring members; lower alkyl substituted mono-and bicycloalkyl of 5 to 12 ring members and fused bicyclic rings of phenyl and a nonaromatic hydrocarbon ring, when  $n'$  is 2  $R''$  contains 1 to 12 carbon atoms and is divalent selected from the group consisting of alkylene, arylene, cycloalkylene and lower alkylene- $[00C(CH_2)n'']^2$  where  $n''$  is 1 or 2,

when  $n'$  is 3  $R''$  is lower alkyl  $-C[CH_200C(CH_2)n'']^3$  where  $n''$  is 1 or 2,

when  $n'$  is 4  $R''$  is  $C[CH_200C(CH_2)n'']^4$  where  $n''$  is 1 or 2,

$R''$  is independently selected from the group consisting of the same group as monovalent  $R''$ , hydrogen and  $-ANSO_2$

 $R''$ ,

$R''$  where  $R''$  has the same meaning as monovalent  $R''$ ,  $A$  has the same meaning as divalent  $R''$ ,  $R''$  is hydrogen, has the same meaning as monovalent  $R''$  or  $R''$   $S$  where  $R''$  has the meaning of monovalent  $R''$ .

$R$  is an organic radical of valence  $n$  which when  $n$  is 1,  $R$  is independently selected from the group consisting of the same group as monovalent  $R''$  and  $R-N$ -where  $R$  is

 $R''$ 

hydrogen or has the same meaning as monovalent  $R''$  has the same meaning as before,

when  $n$  is 2,  $R$  has the same meaning as divalent  $R''$

when  $n$  is 3,  $R$  is phenenyl,

- (b) polymer of the repeating unit

$$-N-A-N-SA'-S-$$
 $SO_2R$     $SO_2R''$ 

where  $R$  and  $R''$  have the same meaning as monovalent  $R''$ ,  $A$  has the same meaning as before and  $A'$  is independently selected from the same group as  $A$ .

- (c) polymer of the repeating unit

$$-N-SO_2R-SO_2-N-S-A'-S-$$
 $R'$     $R'$ 

where  $R'$  and  $A'$  have the same meaning as before and  $R$  has the same meaning as before when divalent, and

(d) polymer of the repeating unit

 $RV$     $RV$ 

$$[-N-SO_2N-SA-S]$$

where  $RV$  and  $A$  have the same meaning as before and heating to effect vulcanization.

CLASS 129-J.

134085.

## ROLLING MILL AND METHOD OF ROLLING METAL.

GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY, NEW YORK, U.S.A.

Application No. 134085 filed December 27, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of rolling metal in a cold rolling mill for incrementally reducing the gage of the metal, the rolling mill including a set of rolling stands arranged in tandem, associated confronting rolls forming each respective stand, drive rolls at each said stand, backing rolls butting the faces of said drive rolls, a computer to control the rolling process, said computer having digital processing units with a core memory and working drum memory, wherein the empirically determined power information is stored within the computer memory, said information corresponding to the diverse metals to be rolled, proportioning the power requirements for each rolling stand from the stored power information for the rolled metal and adaptively up-dating the power information by feeding back to the computer, measured parameters indicative of the actual power utilized during rolling, and wherein the relationship between power per unit volume flow against elongation is plotted on a log-log scale to produce a linear relationship between the plotted variables, calculating the slope and intercept of the plotted linear relationship, storing the power information in the computer by indicia representing the slope and intercept of the linear relationship, and accessing the stored slope and intercept indicia to obtain process parameters for rolling the metal thereby resulting in improved rolled product.

CLASS 172D6.

134157.

## AN IMPROVED PROCESS OF DRAFTING JUTE FIBRES IN A SPINNING MACHINE AND APPARATUS THEREFOR.

INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-53, WEST BENGAL, INDIA AND STAR TEXTILE ENGINEERING WORKS LIMITED, OF DHANRAI MAHAL, APOLLO BUNDER ROAD, BOMBAY-1, MAHARASHTRA, INDIA.

Application No. 134157 filed January 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process of drafting jute fibres in a spinning machine which comprises passing jute sliver between rollers at feed end, through double aprons, being guide belts, and finally through delivery rollers draft between feed and rollers and double aprons being called back draft, and that between feed and front end rollers as total draft, applying pressures of 20 to 60 kg on bottom roller at feed end and of 45 to 110 kg on bottom roller at delivery end through top rollers at the respective ends and of 10 to 25 kg on the lower belt in the double apron through the upper belt keeping the nip distances between the various rollers within predetermined ranges and allowing longer fibres to slip through the guide belts, relative speeds of various rollers being calculated to provide the necessary draft for the desired yarn to be obtained from a particular sliver, the speeds of the various rollers being made adjustable by means of a gearing unit associated with drafting system of the spinning machine, in which selected gears are adapted to be replaceable to permit change in rollers speeds.

CLASS 32F2a &amp; 104F.

134690.

## STABILISED RUBBER COMPOSITIONS.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W.1, ENGLAND.

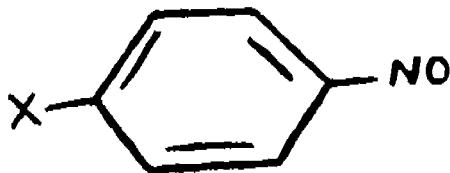
Application No. 134690 filed February 21, 1972.

Convention date March 1, 1971 (5667/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Stabilised rubber compositions containing 0.1 to 4.0% of the weight of rubber of an acyl compound which is an acyl derivative of a nitroso compound of the formula 1



wherein X is a hydroxyl group or a group of the formula NHR or N(OH)R in which R is an alkyl, alkenyl, cycloalkyl or aryl group and wherein the benzene ring may optionally be further substituted.

CLASS 107-H. 134286.

FUEL INJECTION PUMP.

ROBERT BOSCH G M B H OF POSTFACH 50, 7 STUTTGART 1, WEST GERMANY.

Application No. 134286 filed January 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A fuel injection pump for internal-combustion engines with a pumping plunger reciprocating in a plunger cylinder which is rotatable by means of an adjusting device for the variation of its effective delivery stroke and has the control edges which work in conjunction with at least one delivery and return-flow drilling in the wall of the plunger cylinder, so characterised that in an inlet duct to the delivery drilling an arbitrarily adjustable throttling member for the setting of the running speeds is disposed, that in at least one operating position can be coupled to the setting device of the pump plunger.

CLASS 144E6. 134425.

PROCESS FOR THE PREPARATION OF NOVEL DAY-LIGHT FLUORESCENT PIGMENTS.

FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 134425 filed on January 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

Process for the preparation of daylight fluorescent pigments which contain an organic fluorescent dyestuff and, as resin, a cross-linked polyester resin, which is a copolymerizate of olefinically unsaturated compounds containing epoxy groups and copolymerizable vinyl compounds that are cross-linked with a di- or polycarboxylic acid or their anhydrides which comprises dissolving or dispersing the fluorescent dyestuff in a solution containing a mixture of the copolymer containing epoxy groups and the di- or polycarboxylic acids or the anhydrides thereof or in the individual solutions of copolymer and acids and curing the mixture by heating.

CLASS 35E. 134713.

IMPROVED REFRACTORY STOPPER HEAD.

ORISSA CEMENT LIMITED, OF RAJGANGPUR, DIST-SUNDARGARH, ORISSA, INDIA.

Application No. 134713 filed February 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A stopper head of fireclay-graphite refractory material consisting of fireclay, graphite and silicon carbide fired at a temperature of 1300°C. and above in reducing atmosphere, wherein the silicon carbide addition is upto 30% by wt. of the total body composition.

CLASS 175-H.

134727.

PISTON RINGS.

VARAHUR SRINIVASA SATYANARAYANA, OF 38-C, IRWIN ROAD, NEW DELHI, INDIA.

Application No. 134727 filed February 23, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A piston or compression ring adapted to be fitted on a piston comprising at least two conventional rings held to each other at a single point and in an overlying relation, the gaps of the said rings being spaced from each other.

CLASS 199.

134746.

IMPROVEMENTS IN OR RELATING TO A LIQUID GLOW VISUALIZATION DEVICE.

DEVENDRA KUMAR AGARWAL, OF 1, DORILAL, PILIBHIT, U.P., INDIA.

Application No. 134746 filed February 25, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A liquid flow visualization device characterized in that it consists of a smooth endless circular tube of clear transparent plastic material or—pyrex glass provided with a light weight coloured ball of lesser diameter than the bore diameter of the said circular tube placed therein and having an integral liquid inlet and an outlet tube, both being of same diameter but smaller than the diameter of the circular tube, the said outlet tube being placed within the circular tube wherein the liquid suddenly expands due to smaller diameter of the inlet tube than that of the circular tube.

CLASS 70A+B.

134873.

ELECTRODES FOR ELECTROCHEMICAL PROCESSES AND METHOD FOR THE MANUFACTURE OF SUCH ELECTRODES.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S. W. 1, ENGLAND.

Application No. 134873 filed March 8, 1972.

Convention date March 18, 1971 (7211/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims—No drawings.

An electrode for use in electrochemical processes which comprises a support member made of a film-forming metal or alloy as hereinbefore defined and a coating thereon consisting of a layer of a mixture of the oxide(s) of at least one platinum group metal as herein defined in a proportion of 20—80% by weight and a film-forming metal oxide as herein defined and superimposed on the said layer a layer of a film-forming metal oxide.

CLASS 94C+G & 207.

134885.

CHOPPER (CHIPPING MACHINE) FOR THE CRUSHING, PARTICULARLY, OF RAW MATERIAL OF SMALL CROSS-SECTION, SUCH AS WOOD WASTE (CHIPS OF WOOD) AND SIMILAR MATERIAL.

HETRICH WIGGER & CO, OF 475 UNNA/WESTF., MORGENTR. 39/41, GERMAN FEDERAL REPUBLIC.

Application No. 134885 filed March 8, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Feeding device for wood and the like in a chopper with vertical cutter disk and a feed chute arranged at an acute angle

to its direction of rotation, at the one side of which is fitted feed and guiding means which is not displaceable and an advance and guiding means in the chute which is arranged in a displaceable manner and a counter-knife, characterised in that for the feeding of raw materials of relatively small diameter, such as wood waste, bamboo and the like, the feed chute (4) is fitted horizontally, and feed and guiding means (5) and the advance guiding means 6, 7 are provided in the feed chute with vertically arranged axis so as to have vertical effective surfaces and that the counter-knife (3) is also vertically fitted.

CLASS 154D+H &amp; 206E.

134963.

IMPROVEMENTS IN OR RELATING TO THE PRODUCTION OF PRINTED CIRCUITS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 134963 filed March 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims—No drawings.

A method of producing printed circuits which consists in applying a film of sensitized photo-emulsion prepared according to our pending Indian patent application No. 134716 dated 23rd February 1972, on a plastic sheet by exposing the sensitized wet film to a printed circuit pattern and developing the exposed film, fixing the wet developed film on a silk screen adapted on a frame, drying and peeling off the plastic sheet, thereby retaining the developed printed circuit image on the silk screen in the image of a stencil, placing a copper clad sheet under the stencil, applying printing ink on the stencil by means of a rubber squeeze whereby the printed circuit pattern is transferred on the copper clad sheet, followed by drying, etching and washing the copper clad sheet.

CLASS 50E2 &amp; 140A..

135069.

A COMPRESSOR REFRIGERANT SYSTEM EMPLOYING A FLUOROCARBON REFRIGERANT COMBINED WITH A LUBRICATING COMPOSITION.

THERMO KING CORPORATION, OF MINNEAPOLIS, MINNESOTA, U.S.A.

Application No. 135069 filed March 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims—No drawings.

A compressor refrigerant system employing a fluorocarbon refrigerant combined with a lubricating composition in contact with the fluorocarbon, the lubricating composition comprising an oil having a viscosity at 100°F of from 100—300 SUS, and at least 1% by weight thereof of a liquid halogenated polyphenyl compound selected from halogenated biphenyls, diphenyl ethers and alkyl derivatives thereof, the halogen being at least one of chlorine and fluorine.

CLASS 65A4.

135118.

FULL-WAVE RECTIFIER ASSEMBLIES.

JOSEPH LUCAS (INDUSTRIES) LIMITED OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 135118 filed April 1, 1972.

Convention date May 13, 1971 (14856/71) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A full-wave rectifier assembly for rectifying a.c. supply comprising in combination an axially extending support member, first and second conductive terminal members mounted on said support member and insulated from one another, a plurality of phase plates fixed relative to said support member and insulated from one another and from said terminal members, diodes interconnecting the terminal plates and the phase plates so that when the phase plates are connected, in use, to the phases of

an a.c. supply a rectified supply is obtained at the terminal members, a retaining member holding said terminal members and said phase plates in position on said support member, and an insulating member interposed between said retaining member and the remainder of the assembly, the insulating member being provided with a layer of an insulating, hydrophobic material extending over the region of the insulating member which is exposed in use.

CLASS 70C5.

135147.

IMPROVEMENTS IN OR RELATING TO ELECTRO-POLISHING OF MILD STEEL.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

• Application No. 135147 filed April 4, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims—No drawings.

A process for electropolishing of mild steel in a bath comprising sulphuric acid and phosphoric acid characterised in that an inhibitor is added which is a condensation product of formaldehyde and beta naphthylamine or formaldehyde and para toluidine.

CLASS 130-D.

135150.

METHOD FOR REDUCTION ROASTING NICKELIFEROUS LATERITE ORES.

SHERRITT GORDON MINES LIMITED, AT 25 KING STREET WEST, TORONTO, ONTARIO, CANADA.

Application No. 135150 filed April 4, 1972.

Convention date May 3, 1971 (111,924/71) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

The method of treating nickeliferous laterite ore to render the nickel content thereof amenable to selective extraction therefrom by leaching with aqueous solution which comprises: feeding said ore to a vertical multiple hearth furnace in which the ore passes downwardly through a pre-heat zone in the upper part of the furnace and then through a reduction zone below said pre-heat zone; passing a stream of hot gases produced by the partial combustion of fuel countercurrent to said ore and in contact therewith to heat the ore to the temperature required for reduction of contained nickel to a leachable form; injecting hydrogen into the furnace at the bottom of the reduction zone in amount sufficient to maintain the hydrogen concentration in the gases contacting the ore in the lower half of the reduction zone above about 25% by volume (dry basis); maintaining the hydrogen content of gases exiting from the furnace above about 3% by volume (dry basis); controlling the rate of throughput of ore through the furnace such that depth of ore on each of the furnace hearths is within the range of about 0.05 to about 0.085 inch for each minute of ore residence time within the furnace; cooling and recovering the roasted ore exiting from the furnace.

CLASS 144B.

135206.

A GLASS SUBSTRATE HAVING TRANSPARENCY AND CONDUCTING PROPERTIES AND A METHOD FOR PREPARING SAME.

1. DR. PARAMPUKATTIL KERULAN CHELLAPPAN PILLAI, OF MULASSERIL HOUSE, NEDUMKUNNAM (P.O.), CHANGANACHERRY, KERALA, INDIA AND 2. MR. SUSHEEL KUMAR ARYA, STREET NO. 4, THAPAR NAGAR, MEERUT, (U.P.), INDIA.

Application No. 135206 filed April 7, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 8 Claims.

A glass substrate containing silicate compounds, and having a deposit thereon obtained from a mixture of stannic chloride, glacial acetic acid and absolute alcohol to give a glass substrate having transparency and conducting properties.

CLASS 189.

135240.

## IMPROVED PORTABLE DEVICE FOR FACIAL STEAM BATH.

FIGUREITE EQUIPMENT CO. PRIVATE LIMITED, AT DUGAL HOUSE, BACK BAY-RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

Application No. 135240 filed April 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 13 Claims.

A facial sauna device consisting of a cup shaped moulded circular base, and a glass or plastic socket ring carrying a funnel shaped facial cone fitted to the upper edge of the said moulded circular base, wherein (a) the said base is divided into a top and a lower portion by a horizontally disposed partition formed near the middle of the said cup-shaped base the top portion thereby forming a cup-shaped socket for holding water, and also wherein (b) the lower portion is provided with a bulb holder fitted with a pilot lamp, a cathode plate and an anode plate are secured to the top surface of the partition in spaced relation so that the two free ends of the said plates but on a dowel formed in the top centre of the said portions and a perforated plano-convex plastic disc is fitted over the said cup-shaped socket.

CLASS 32F3c &amp; 40F.

135346.

## A NEW DEVICE FOR THE PRODUCTION OF DIACETONE ALCOHOL FROM ACETONE.

(i) REGISTRAR, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR, WEST BENGAL, INDIA (ii) PROF. SUDHIR KUMAR BHATTACHARYYA, EX-HEAD OF THE DEPARTMENT OF CHEMISTRY AND DEPUTY DIRECTOR (ACADEMIC), I.I.T., KHARAGPUR, WEST BENGAL, INDIA (iii) DR. DILIP KUMAR NANDI, LECTURER, DEPARTMENT OF CHEMISTRY, I.I.T., KHARAGPUR, WEST BENGAL, INDIA AND (iv) MR. ASISH KUMAR BHATTACHARYYA, RESEARCH ASSISTANT, DEPARTMENT OF CHEMISTRY, I.I.T., KHARAGPUR, WEST BENGAL, INDIA.

Application No. 135346 filed April 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A device for the production of diacetone alcohol from acetone comprising a heating mantle, a distillation flask, soxhlet apparatus characterised in that a fractionating condenser is fitted to said apparatus so that the vapour of acetone only is passed into the soxhlet and not the vapour of diacetone alcohol.

CLASS 114E+F.

133823.

## PROCESS FOR THE QUICK TANNAGE OF SEMI-PRODUCTS OF SOLE LEATHER.

INTREPRINDEREA "DIMBOVITA" OF SECT. 5, STR. SP. UNIRII NR. 96, BUCURESTI, RUMANIA.

Application No. 133823 filed December 1, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims—No drawings

A process for the quick tanning of semi-products of sole leather comprising the steps of washing deliming, acidifying and tanning the pelts characterized in that the delimed pelts are subjected to acidification in stages using (i) formaldehyde

thereafter (ii) mixtures of alpha and beta, naphthalene sulphonnic acids, (iii) mixtures of alpha and beta naphthalene sulphonnic acids with hydrochloric acid and thereafter (iv) a strong acid medium like hydrochloric acid to pH of 1.8 to 2.2 whereafter the pelts thus acidified are subjected to a tanning operation in presence of a tanning liquor containing vegetable and synthetic tanning materials in stages of increasing densities of the tanning liquors, the densities ranging from 1.035 to 1.085.

CLASS 32F1.

135840.

## PROCESS FOR THE CATALYTIC OXYCHLORINATION OF ETHYLENIC HYDROCARBONS IN A FLUID OR MOVING BED.

RHONE-PROGIL, OF 6, RUE PICCINI-75- PARIS—16E FRANCE.

Application No. 425/72 filed June 6, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 claims—No drawings.

A process for selectively oxychlorinating an ethylenic hydrocarbon at a temperature of below 300°C in the presence of a fluid or moving bed of a catalyst consisting of copper and magnesium in the form of their chlorides or other compounds convertible to the chlorides during the oxychlorination, and active alumina having a surface area of from 180 to 380 sq.m/g, the % by weight of copper in the catalyst being from 3 to 10, this percentage corresponding to the case where the copper and magnesium are present in the form of, or have been converted to, cupric chloride and magnesium chloride, and the ratio Mg/Cu, expressed in atoms, being from 0.2 to 0.8.

CLASS 32E.

135841.

## PROCESS FOR PREPARING NOVEL COPOLYMERS.

Snam Progetti S.p.A., OF 16 CORSO VENEZIA, MILAN, ITALY.

Application No. 899/72 filed July 18, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

A process for preparing a copolymer, which process comprises polymerizing a cyclic polyene containing at least two carbon-carbon double bonds which are conjugated with a vinyl-ether in the presence of a Friedel-Crafts catalyst.

CLASS 187E2+E4.

135842.

## METHOD OF MANUFACTURING A DIAPHRAGM FOR AN ACOUSTIC TRANSDUCER AND A TRANSDUCER PROVIDED WITH SAID DIAPHRAGM.

N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT EMMASINGEL 29, EINDHOVEN, NETHERLANDS.

Application No. 1272/72 filed August 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

Method of manufacturing a diaphragm for an acoustic transducer, which diaphragm is made from a synthetic material in a die and in the moulding operation is provided with a domed centre portion and a surrounding edge region, whilst two substantially parallel arranged strip-shaped conductors have been provided which extend from one part of the edge region to a substantially opposite part of this region via the domed centre portion, characterized in that manufacture starts from a tape-shaped foil of a synthetic material which has previously been provided with the two parallel arranged conductors and is fed to the die, the diaphragm being subsequently formed in the die in a single moulding operation.

CLASS 32F3d &amp; 55D2.

135843.

PROCESS FOR PREPARATION OF NOVEL PLANT GROWTH REGULANTS.

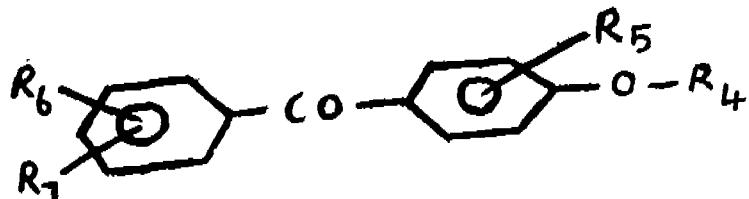
NIPPON KAYAKU KABUSHIKI KAISHA, NO. 2-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 1252/72 filed August 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

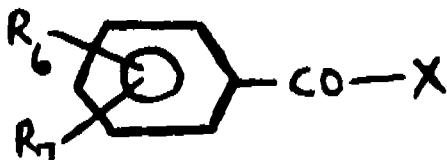
4 Claims

A process for the preparation of compounds of the general formula



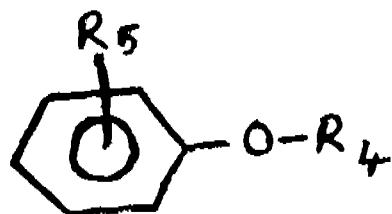
### Formula II

wherein R<sub>4</sub> is a lower alkyl group or allyl group, R<sub>5</sub> and R<sub>6</sub> each represent lower alkyl groups and R<sub>7</sub> is a hydrogen atom or a lower alkyl group, characterized by reacting a compound of the general formula



### Formula III

wherein R<sub>6</sub> and R<sub>7</sub> have the meanings given above and X is a halogen atom, with a compound of the general formula Formula IV wherein R<sub>5</sub> and R<sub>6</sub> have the meanings given above, in the presence of a Friedel-Crafts catalyst.



### Formula IV

CLASS 166A.

135844.

IMPROVED BOAT AND PROCESS FOR ITS CONSTRUCTION.

SAMUEL THAMBYAIAH ARULAMPALAM, OF 12 HILDON PLACE, COLOMBO 4, SRI LANKA.

Application No. 1549/72 filed September 30, 1972.

Convention date October 4, 1971 (6771/71) Ceylon.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims—No drawings

An improved boat intended chiefly but not exclusively for offshore fishing purposes, characterised in that the hull thereof comprises an assembled framework of members of welded steel or other metal alloy having secured thereto a covering of closely spaced metal mesh or woven wire-netting, said covering having applied thereto on both sides a succession of layers of vulcanisable rubber or rubber compound to provide a hull of the desired thickness, the coated layers of rubber or rubber compound being subsequently vulcanised to produce the finished boat.

CLASS 110.

135845.

PROCESS AND APPARATUS FOR THE PRODUCTION OF TUFTED PILE FABRICS.

DEERING MILLIKEN RESEARCH CORPORATION, HAVING A PLACE OF BUSINESS NEAR SPARTANBURG, COUNTY OF SPARTANBURG, SOUTH CAROLINA, U.S.A., POST OFFICE ADDRESS, P.O. BOX 1927, SPARTANBURG, SOUTH CAROLINA, U.S.A.

Application No. 122/72 filed May 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

In a multiple needle tufting machine having plural rows of needles and a looper bar containing corresponding plural rows of cooperating loopers having hooks extending in the direction of movement of the backing sheet; the improvement wherein the hooks of the loopers in a first row in said looper bar are positioned further from the looper bar than the tips of the loopers in the next row.

CLASS 110.

135846.

YARN ENGAGING MEANS FOR USE IN A TUFTING MACHINE.

DEERING MILLIKEN RESEARCH CORPORATION, HAVING A PLACE OF BUSINESS NEAR SPARTANBURG, COUNTY OF SPARTANBURG, SOUTH CAROLINA, U.S.A., POST OFFICE ADDRESS, P.O. BOX 1927, SPARTANBURG, SOUTH CAROLINA, U.S.A.

Application No. 2337/Cal/73 filed October 20, 1973.

Division of Application No. 122/72 filed May 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

Yarn engaging means for use in a tufting machine comprising a support bar, a plurality of looper means mounted in spaced relation along the length of the bar and each consisting of a single piece composed of a main body portion attached to and extending outwardly from the bar, and first and second hook portions located outwardly of said main body portion, first hook portions of said looper means aligned in a first row along said bar and said second hook portions aligned in a second row along said bar spaced from said first row, the hook portions in one of said rows positioned a greater distance from said bar than the hook portions in said other row.

CLASS 110

135847.

## SINGLE PIECE LOOPER MEANS.

DEERING MILLIKEN RESEARCH CORPORATION, HAVING A PLACE OF BUSINESS NEAR SPARTANBURG, COUNTY OF SPARTANBURG, SOUTH CAROLINA, U.S.A., POST OFFICE ADDRESS, P.O. BOX 1927, SPARTANBURG, SOUTH CAROLINA, U.S.A.

Application No. 2338/Cal/73 filed October 20, 1973.

Division of Application No. 122/72 filed May 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A single piece looper means comprising a main body portion adapted to be retained in and extend outwardly from a looper bar of a tufting machine, and a hook portion extending therefrom and including first and second hook means positioned in spaced planes generally parallel to said main body portion, with outer extremities of said first and second hook means positioned in spaced planes perpendicular to said first mentioned planes.

CLASS 170A.

135848.

## LIGHT DUTY LIQUID OR POWDER DETERGENT FORMULATIONS.

COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, U.S.A.

Application No. 414/72 filed June 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims—No drawings

A light duty liquid or powder detergent formulation suitable for use in the manual washing of dishes which contains from about 10% to 40% by weight of a detergent having skinirritating characteristics and selected from the group consisting of alkyl benzene sulfonates, olefin sulfonates, paraffin sulfonates alkyl sulfates containing from 0 to 3 ethoxy groups in the molecule, ethoxylated alkyl phenols, and mixtures thereof and from 0.01% to 5% by weight of a homopolymer of the general formula  $(CH_2CH_2O)_n$  wherein  $n$  is an integer sufficient to provide a molecular weight between about  $1 \times 10^5$  and  $8.6 \times 10^6$ , said homopolymer being effective to substantially reduce the skin irritation caused by said detergents.

CLASS 172D6.

135849.

## A GEAR UNIT FOR A TEXTILE DRAFTING SYSTEM.

INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-53, WEST BENGAL, INDIA, AND STAR TEXTILE ENGINEERING WORKS LIMITED, OF DHANRAJ MAHAL, APOLLO BUNDER ROAD, BOMBAY-1, MAHARASHTRA, INDIA.

Application No. 517/Cal/74 filed March 11, 1974.

Division of Application No. 134157 filed March 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

In and for a drafting system of a jute spinning machine which includes a double apron intermediate feed end and delivery end rollers, a gear unit for driving the shafts of

back, middle and front bottom rollers, said unit being adapted to be mounted on the front end roller shaft or on an auxiliary beam on the gearing head stock of the machine, said unit comprising a train of gears, three of which are changeable driving gears which are adapted to provide selected speeds for corresponding rollers, swivel means for carrying and changing said driving gears and slide means to adjust change of nip distances between the said rollers, and hence the total and back drafts and the twist of drawn yarn.

CLASS 40B.

135850.

## A PROCESS FOR THE MANUFACTURE OF A CATALYST COMPOSITION

THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, U.S.A.

Application No. 1037/Cal/74 filed May 9, 1974.

Division of Application No. 134323 filed January 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims—No drawings

A process for the manufacture of a catalyst composition consisting essentially of a complex of the catalytic oxides of iron, bismuth, molybdenum and at least one metal selected from Group II of the Periodic Classification as essential components, optionally the oxides of cobalt, nickel, phosphorus, arsenic and an alkali metal, and having the following formula:

 $A_x B_y C_z D_a E_b F_c G_d H_e I_f J_g K_h L_i M_o N_p O_q$ 

wherein A is an alkali metal, B is one or more of the elements selected from the group consisting of nickel and cobalt, C is phosphorus or arsenic or both, and D is at least one element selected from Group II A and Group II B of the Periodic Classification of elements, and wherein (a) is a number from 0 to less than 0.1, (b) is a number from 0 to 12, (c) is a number from 0 to 3, (d) is a number from 0.1 to 10, (e) and (f) are each a number from 0.1 to 6, (g) is a number from 8 to 16, and (h) is a number determined by the valence requirements of the other elements present in which the catalyst ingredients are brought together by methods known *per se*.

CLASS 62C4.

135851.

## PROCESS OF DYEING TEXTILES WITH VAT AND SULFUR DYES

OLIN CORPORATION, OF 275 WINCHESTER AVENUE, NEW HAVEN, CONNECTICUT 06504, U.S.A.

Application No. 633/72 filed June 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims—No drawings

In a process of dyeing textiles which are at least partially cellulosic, which process comprises applying to said textiles a dye composition comprising a vat dye or a sulfur dye and thereafter treating said dye with an oxidizing agent in order to develop and improve its color and fastness, the improvement which comprises utilizing a solution of alkali metal bromite as oxidizing agent at a pH above 6.

CLASS 179E.

135852.

## IMPROVEMENTS IN OR RELATING TO LEAKPROOF AND PULPERPROOF CLOSURES AND CONTAINERS FOR SUCH CLOSURES

CHANDRAKANT SOMABHAI PATEL, 19, SAMPAT-RAO COLONY, BARODA-5, GUJARATH, INDIA.

Application No. 258/72 filed May 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 16 Claims—No drawings

A leakproof closure and neck ring for container for such closures consists of a combination of a closure proper and a neck ring proper for such closure wherein the closure proper moulded from chemically inert synthetic resin or the like rigid, semi-rigid or flexible plastic material carries a flat or curved top surface, the sides of which are extended downwardly to form a skirt carrying serrations or like design of

any geometrical pattern on surface of its outer wall, the bottom part of said serrated skirt being provided with a pair of integrally formed bands, upper band of which forms a tearable sealing band and carries an integrally formed extension tongue for facilitating tearing of said sealing band and characterised in that the surface of the inner wall of said closure top carries an integrally formed skirt extending downwardly upto the middle of said serrated portion of the closure and another beaded ring formed adjacent said inner skirt so as to form a cushion for said closure top, and the surface of the inner wall of said serrated skirt carries a pair of beaded rings formed in spaced and parallel relationship with one another and the bottom rim of said serrated part being extended inwardly to form a lock ring and is extended outwardly to form a sealing band carrying a pair of inverted V-shaped grooved rings so as to form a sealing band therebetween and the surface of the inner wall of band below said sealing band is provided with an downwardly extending tapering wall the bottom edge of which is along one plane, and a neck ring proper for said closure is characterised in that the surface of the inner wall of said neck ring is along one plane and the surface of its outer wall carries a double conical tapering having a grooved ring formed in its middle which is adapted to slifably receive and grip therebetween the said lock ring of the closure when said closure is press fitted to said neck ring so as to form a leak proof and pilferproof closure for the container having said ring neck ring.

CLASS 161D.

135853.

## GUIDED TRANSPORTATION SYSTEM

FORD MOTOR COMPANY OF CANADA, LIMITED,  
AT THE CANADIAN ROAD, OAKVILLE, PROVINCE  
OF ONTARIO, CANADA.

Application No. 775/72 filed July 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

**A guided transportation system which comprises :**

(A) a substantially flat roadway;

(B) a guidable vehicle, said vehicle including :

(1) vertically aligned wheel means rotatably secured to said vehicle for supporting said guidable vehicle a fixed distance above said roadway and for permitting movement of said vehicle along said roadway;

(2) a plurality of aligning wheels;

(3) means for mounting said aligning wheels in a horizontal position in a space between the bottom of said vehicle and said roadway, said aligning wheels being located so that at least a portion of each wheel extends outwardly towards an associated side of said vehicle a distance greater than an associated one of said wheel means;

(4) at least a pair of switch wheels;

(5) means for movably mounting said pair of switch wheels on opposite sides of said vehicle, said switch wheels being movable between a switching position, wherein an individual wheel is horizontally located at a position spaced outwardly from and above an associated one of said aligning wheels, and an inactive position displaced from said switching position;

(C) a pair of sidewall assemblies extending along the length of opposite edge portions of said roadway, said sidewall assemblies including vertical supporting portions, said sidewall assemblies further including :

(1) aligning wheel engageable means secured to said supporting portions of said supporting portions of said side wall assemblies and extending along the length of said roadway at a position spaced a fixed distance above said roadway, said aligning wheel engageable means for providing a continuous, flat surface over which said aligning wheels may move to locate said guidable vehicle in said roadway;

(2) switch wheel engageable means secured to the upper portion of said supporting portions of said side wall assemblies and extending along the length of at least selected areas of said roadway at a position spaced a fixed distance above said aligning wheel engageable means, said switch engageable wheel means for providing a continuous, flat surface which may be engaged by one of said switch wheels when in its switching position.

CLASS 107F.

135854.

## IMPROVEMENTS IN AND RELATING TO IGNITION SYSTEMS FOR INTERNAL COMBUSTION ENGINES

ROBERT BOSCH GMBH, OF POSTFACH 50, 7 STUTTGART 1, WEST GERMANY.

Application No. 218/Cal/73 filed January 30, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

An ignition system for internal combustion engines having in the main circuit of the ignition system an electronic switching element and an ignition transformer, at least one sparking plug being connectable to the ignition transformer and having a magnetic pulse generator for reversing the electronic switching element in the control circuit of the ignition system which is adapted to be magnetically coupled to at least one rotating part drivable by the internal combustion engine, wherein the control circuit comprises a compensation member at which a voltage rises for suppressing interference voltages of the pulse generator as the engine speed increases and compensates for the interference portion of the pulse generator voltage.

CLASS 172B.

135855

## OPEN-END SPINNING APPARATUS

SCHUBERT & SALZER MASCHINENFABRIK AKTIEN-GESELLSCHAFT, OF FRIEDRICH EBERSTRASSE 84, 8070 INGOLSTADT, GERMANY.

Application No. 742/72 filed July 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

An open-end spinning apparatus comprising : a fibre opener unit for opening up a sliver into separate fibres; a spinning turbine for spinning the opened up fibres into thread; a feed duct for feeding the opened up fibres to the spinning turbine; a draw-off tube through which spun thread is drawn off from the spinning turbine; a bearing for the spinning turbine; a housing which accommodates the spinning turbine and the bearing; and a cover which closes off one end of the housing so as to enclose the spinning turbine; the feed duct and the draw-off tube being respectively connected to and/or co-operating with the cover; characterised in that an opposite end of the housing is open and in that a part of the housing at or adjacent the said opposite end forms a clamp in which the said bearing is releasably clamped so that the bearing and spinning turbine can be removed from the said opposite end of the housing.

CLASS 172B.

135856.

## FIBRE MIXING DEVICES

SCHUBERT & SALZER MASCHINENFABRIK AKTIEN-GESELLSCHAFT, OF FRIEDRICH EBERSTRASSE 84, 8070 INGOLSTADT, GERMANY.

Application No. 743/72 filed July 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A device for automatic mixing of fibrous material, comprising a pick-up system displaceable along a row of bales for picking material off the different fibre bales of the fibre ingredients which are to be mixed, and a collecting container for reception of the fibrous material picked off and arranged to be displaced conjointly with the pick-up system with which it is co-ordinated, characterised by a catching plate extending along the length of the side of the collecting container.

CLASS 145C.

135857.

## A PROCESS FOR MAKING PAPER SUITABLE FOR CALENDERING AND PRINTING.

AKTIEBOLAGET SVENSKA FLAKTFABRIKEN, OF SICKLA ALLE 1, NACKA, STOCKHOLM, SWEDEN.

Application No. 402/72 filed June 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A process for making paper suitable for calendering and printing from a continuous moist paper web manufactured from a furnish which contains a major proportion of hardwood groundwood fibres, said fibres being present in an amount sufficient to render the web too weak and brittle for calendering and printing when dried under physical restraint, said process comprising drying the moist web by passing it through a drying zone wherin the moisture content is reduced to below about 15% by weight moisture while the web is under substantially no physical restraint and shrinks freely in transverse and longitudinal directions in the plane of the web, thereby imparting to the resulting paper strength sufficient to enable the paper to be calendered and processed by high speed printing machines.

CLASS 29D &amp; 67C.

135858.

## MULTIPLEXER RECEIVER INTERVAL DETECTOR.

D.D.I. COMMUNICATIONS, INC., OF 840 SENECA STREET, LEWISTON, NEW YORK 14092, U.S.A.

Application No. 111/72 filed May 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims.

A multiplexer receiver interval detector for a pulsed message train with pulses occurring at a scanning frequency, said detector comprising, in combination, means to develop a checking pulse frequency  $n$  times higher than said scanning frequency, gate means to decode 1 of  $n$  pulses from said checking frequency means to establish an output pulse therefrom, a comparator having first and second inputs, receiving means having a pulse coinciding in frequency with the pulses on said pulse train, first means connecting said pulse from said receiving means to said first input of said comparator, second means connecting the output pulse of said decoding gate means to said second input of said comparator to substantially coincide in time with and be in opposition to the pulse on said first input of said comparator to maintain the same output therefrom, the reception of a noise pulse out of order on said message pulse train establishing a pulse output of said receiving means to thus produce noncoincident pulses on said first and second inputs of said comparator to thus produce a change in the output thereof, and means to accept pulses in a message train in accordance with the output of said comparator.

CLASS 29D &amp; 67C.

135859.

## MULTIPLEXER.

D.D.I. COMMUNICATIONS, INC., OF 840 SENECA STREET, LEWISTON, NEW YORK 14092, U.S.A.

Application No. 110/72 filed May 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 30 Claims.

A multiplexer comprising in combination, a transmitter system and a receiver system; said transmitter system having a plurality of input terminals thereon, output means on said transmitter system, multiplexing circuits within said transmitter system to transmit to said output means the electrical condition at said input terminals thereon,

said receiver system including input means for receiving multiplexed information from said output means of said transmitter system,

said receiver system having output means

multiplexing decoder circuits within said receiver system to receive and decode the signals and supply same to said receiver system output means to indicate the electrical condition of the input terminals on said transmitter system,

one of said systems including a main module and at least one extender module,

and connection means including complementary plug and receptacle means to electrically and physically connect said modules in sequence.

## CLASS 116C.

135860.

## FAIL-SAFE DECELERATING SYSTEM.

LITTON SYSTEMS, INC., OF 100 WEST 10TH STREET, WILMINGTTON, DELAWARE, U.S.A.

Application No. 723/72 filed June 30, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims.

A decelerating system for a conveyor comprising: drive assembly means for driving a conveyor, said drive assembly means, having a motor coupled to a drive train of said conveyor, said drive assembly means having a flywheel coupled to said drive train to keep said conveyor moving through the inertia of said flywheel for a limited period of time after said motor ceases to drive said drive train;

signal generating means connected to said drive assembly means, said signal generating means generating a first signal proportional to the speed of said conveyor;

reference signal generating means for generating a second signal to be compared with said first signal when power to said motor is cut off; said second signal declining in amplitude as a function of time;

brake means for retarding movement of said drive assembly; and

comparing means for comparing said first and second signals and regulating said brake means in accordance with said comparison so as to retard the movement of said drive assembly in a predetermined manner.

CLASS 85R, 108A+C<sub>1</sub>, 130G & 181.

135861.

## DEVICE FOR INTRODUCTION TO MULTIPLE SEPARATE FEEDS.

CREUSOT-LOIRE S. A. OF 5, RUE DE MONTTESSUY, PARIS 7<sup>e</sup>, FRANCE AND EMILE SPRUNCK, OF 5, RUE JOFFRE, MOYEUVRE-GRANDE, FRANCE.

Application No. 908/72 filed July 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

Device for the separate introduction of at least two distinct, pressurized fluids, into divided double or multiple feed tuyeres, comprising at least two concentric pipes, each pipe being longer on the feed side than the pipe which surrounds it, and being provided on its outer surface, at a level to which the pipe which surrounds it does not extend, with at least one annular seal, forming a seal by compression, resulting from screwing down or keying, or any other compression means, between two clamping pieces arranged around the pipe in question, and one of which may form a feed chamber for the pipe which surrounds the pipe in question, characterised by the fact that the outer-most pipe is surrounded by a hollow, cylindrical piece called a "sleeve" attached to the bottom-plate and by the fact that the said outer-most pipe has on its outer surface two annular seals, the first of these seals being clamped against the sleeve and against the outer pipe by means of a nut screwed onto the said sleeve and being for the purpose of resisting leaks of fluids from the tuyere jet and likely to seep back between this outer pipe and the sleeve which surrounds it, the second of these seals, positioned upstream of the first, being for the purpose of resisting leaks of the fluid fed to this outer pipe.

CLASS 129-G.

135862.

## IMPROVEMENTS IN OR RELATING TO CUTTING TOOLS.

SANDVIKENS JERNVERKS AKTIEBOLAG, OF FACK S-811 01, SANDVIKENS 1, SWEDEN.

Application No. 621/72 filed June 20, 1972.

Convention date February 25, 1972 (135567/72) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A cutting tool comprising a thin plate-like holder with plane parallel sides, the holder being adapted to hold a cutting

ing insert of greater width than the holder by means of a clamping arm having one end integral with the holder and its free other end lying opposite a seating for the insert, being spaced therefrom by a distance which is less than the height of the intended insert, the clamping arm being tapered over substantially its whole length from the end integral with the holder to its free other end, the arrangement being such that the free end of the clamping arm can be sprung away from the seating for insertion of a said insert and then released to hold the insert with a pressure resulting from deformation of the arm.

135863.

**CLASS 32E.**  
**A PROCESS FOR CARRYING OUT BULK POLYMERISATION.**

RHONE-PROGIL, OF 6 RUE PICCINI, 75 PARIS 16E, FRANCE.

Application No. 780/72 filed July 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for the bulk polymerisation of monomers which produce polymers or copolymers insoluble in the monomers from which they are derived which comprises dispensing the reaction constituents for the polymerisation of the monomers in a vessel rigidly mounted with its axis substantially horizontal and provided with stirring means which includes at least two half-frames arranged symmetrically of the axis of the vessel and fixed at each end to a rotatable stub-shaft extending axially of the vessel, each half-frame having a peripheral member serving as a blade which on rotation of the half-frames about the axis of the vessel passes in close proximity to the interior surface of the vessel the peripheral members of the half-frames being interconnected by bracing means, and stirring the reaction mixture by said stirring means while polymerisation takes place.

135864.

**CLASS 34A & 162.****TEXTILE MATERIALS.**

DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON, S.W.1., ENGLAND.

Application No. 420/72 filed June 6, 1972.

Convention date June 8, 1971 (19339/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A textile filament which comprises a molecularly oriented elongate material formed by slitting a sheet of a thermoplastic synthetic material, and having a thickness of between 0.1 mm and 1.0 mm and a width of between 0.1 mm and 2.0 mm.

135865.

**CLASS 34-A.****METHOD OF MAKING TEXTILE FIBRES.**

DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON, S.W.1., ENGLAND.

Application No. 421/72 filed June 6, 1972.

Convention date June 8, 1971 (19340/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A method of making a textile fibre which comprises passing under tension a film of synthetic thermoplastic material between two sets of intermeshing rotatable cutting discs, thereby slitting the film into a multiplicity of fibres.

135866.

**CLASS 35-C.****AN IMPROVED METHOD OF MANUFACTURING CELLULAR CONCRETE.**

KALYAN KUMAR BANERJEE, OF 10/4, CENTRAL PARK, P.O. JADAVPUR, CALCUTTA-32, STATE OF WEST BENGAL, INDIA.

Application No. 732/72 filed July 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An improved method of manufacturing cellular concrete from waste products (as herein defined), which method consists mainly of the following steps in sequence—

(i) dumping the waste products in powder form in receptacles, such as, tanks where the said waste products along with water added to them to form slurry, are kept in motion;

(ii) pumping the said slurry in the tanks to a mixing drum, to a predetermined level;

(iii) agitating the pumped slurry in the said mixing drum;

(iv) adding required quantity of cement and balanced quantity of water in the mixing drum;

(v) adding aluminium powder in suspension in the mixing drum containing the slurry;

(vi) draining the slurry contents added with aluminium powder, into an oiled mould which is partly filled;

(vii) inserting thin metal partitions in cage form into the said oiled mould, for determining the ultimate size of the cellular concrete blocks;

(viii) allowing the slurry to remain in the oiled mould for a specified period, to allow the said slurry to rise and fill up the mould;

(ix) placing inside a steel vat two or three moulds the said steel vat being provided inside with heating means for steaming the said raised and filled up moulds; and

(x) the said raised and filled up moulds forming the cellular concrete blocks being then removed from the vat after the said vat is cooled off.

135867.

**PREPARATION OF N-(1-ETHYL- $\alpha$ -PYRROLIDYLME-THYL)-2-METHOXY-5-SULFONAMIDO BENZAMIDE.**

FRATMANN A. G., OF 5, CHEMIN DU MONT BLANC, 1224-CHENE BOUGERIES, SWITZERLAND.

Application No. 1353/72 filed September 7, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing N-(1-ethyl- $\alpha$ -pyrrolidylmethyl)-2-methoxy-5-sulfonamido benzamide comprising reacting N-ethyl- $\alpha$ -aminomethyl-pyrrolidine with phosphorus oxychloride to give N,N',N"- (1-ethyl- $\alpha$ -pyrrolidylmethyl)-phosphoramido and reacting the N,N',N"- (1-ethyl- $\alpha$ -pyrrolidylmethyl)-phosphoramido with 2-methoxy-5-sulfonamido benzoic acid.

135868.

**IMPROVEMENTS RELATING TO TEXTILE GILL BOXES.**

JAMES MACKIE & SONS LIMITED, OF ALBERT FOUNDRY, BELFAST 12, NORTHERN IRELAND.

Application No. 901/72 filed July 18, 1972.

Convention date July 23, 1971 (34771/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A gill box for the drafting of textile fibres including a series of fallers mounted between a pair of endless chains for movement in a closed path and driving mechanism co-operating with alternate fallers and engaging directly with the fallers themselves.

135869.

**PROCESS AND APPARATUS FOR THE DIRECT PRODUCTION OF STEEL**

REDOX DESENVOLVIMENTO E EXPLORACAO DE PROCESSOS SIDERURGICOS LIMITADA OF RUA PASTEUR 543, CURITIBA (PARANA), BRAZIL.

Application No. 697/72 filed June 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A process for the direct production of steel, in which particulate ore is indirectly reduced to produce sponge iron which is subsequently melted, wherein the particulate ore is suspended in a current of effluent gas from a pre-reduction cyclone is fed with the gas tangentially into a preheater cyclone, where the gas is separated and the ore is preheated; the ore is discharged from the bottom of the preheater cyclone and is suspended in a current of reducing effluent gas from a final reduction cyclone and is then fed with this gas tangentially into the prereduction cyclone where the gas is again separated and the ore is partly reduced; the ore is discharged from the bottom of the pre-reduction cyclone and is suspended in a current of effluent gas containing carbon monoxide from a melting and refining vessel and is subsequently fed with the gas tangentially into the final reduction cyclone where the gas is separated once more and the ore is further reduced; the reduced ore is then discharged from the bottom of the final reduction cyclone into the melting and refining vessel, in which the carbon monoxide is being generated by incomplete combustion of carbon, and the reduced ore is melted and then refined by introducing oxygen into it.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

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 130245 130316 130346 130487 130576 130670 130742 130811  
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 128253 128377 128412 128470 128622 128677 128735 128799  
 129020 129035 129111 129198 129231 129307 129386 129480  
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 131939 131954 132313 132323 132378 132437 132564 132630  
 132685 132809 132834 132835 132836 132908 133012 133057  
 133064 133172 133622 133700.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Glaverbel-Mecaniver under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 128957 in their name has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Merck & Co. Inc., a corporation organised under the laws of the State of New Jersey, United States of America, of 126 East Lincoln Avenue, Rahway, New Jersey, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of their application for Patent No. 75647 for "New amino acids and process for the preparation thereof". The amendments are by deletion of claims 1 to 12 from the specification and amending the title of invention in the application and specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(2)

Notice is hereby given that Rhone-Poulenc S. A., a French Body Corporate, of 22 Avenue Montaigne, Paris 8e, France, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 126397 for "Process for the preparation of a cation exchange resin, a cation exchange resin so prepared, an exchange membrane comprising said resin and a process for the fractionation of a solution using said membrane". The amendments are by way of amendment of the title of invention in the application and specification and deletion of claims 4 to 6 from the specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700017 on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendments may file a notice of opposition on the prescribed form 30 within three

months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with notice of opposition, it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Fried Krupp G.M.B.H. of 43, Essen Altendorfer Strasse 103, German Federal Republic, a Company organised and existing under the laws of the German Federal Republic, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of Patent application No. 127250 for "Process for the recovery of P-xylene by crystallisation". The amendments are by way of deletion of claim 11 on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(4)

Notice is hereby given that Bayer Aktiengesellschaft, formerly known as Farbenfabriken Bayer Aktiengesellschaft, a body corporate organised under the laws of the Federal Republic of Germany, of Leverkusen Federal Republic of Germany, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 127358 for "Complex compounds of the cobalt-trphthalocyanine series". The amendments are by way of disclaimer and correction by deleting claims 15 to 26, amending claims 27 to 35 and renumbering claims 27 to 35 as claims 15 to 23 in the specification and also amending the title of invention in the application and specification on file. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(5)

Notice is hereby given that Westinghouse Electric Corporation a corporation organized and existing under the laws of the State of Pennsylvania, United States of America, of Pittsburgh, Pennsylvania, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 129545 for "Improvements in or relating to manganese-activated calcium gallate phosphors". The amendments are by way of deletion of claim 11 from the specification on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(6)

Notice is hereby given that the Goodyear Tire and Rubber Company a corporation organised under the laws of the State of Ohio, United States of America, having a place of business at Akron, Ohio, U.S.A. and a post office address at 1144 East Market Street, Akron Ohio, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for

amendment of application and specification of Patent application No. 129919 for "Improvements in process for the polymerization of monomeric master-batches and products thereof". The amendments are by way of correction and disclaimer by amending the title of invention in the application and specification and deletion of claim 10 from the specification on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(7)

Notice is hereby given that The Firestone Tire & Rubber Company, a corporation organised under the laws of the State of Ohio, United States of America, of 1200 Firestone Parkway, Akron, State of Ohio 44317, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment specification of their application for Patent No. 132305 for "Process for preparing colorless, high-vinyl diene polymers". The amendments are by way of correction and explanation so as to ascertain the invention more correctly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the Patents.

##### No. and Title of the Invention

- 120166 (5-3-69) Pesticidal compositions containing thiadiazole derivatives.
- 120369 (17-3-69) Method of inhibiting premature vulcanization of a vulcanizable diene rubber, diene rubber vulcanizable composition so obtained and an accelerator-inhibitor combination.
- 120416 (19-3-69) New herbicidal 2-alkylthio-4, 6-diamino-S-triazines, process for their production and herbicides containing the same.
- 120449 (20-3-69) Sulphonated polymers and a process of preparing them.
- 120450 (20-3-69) Crosslinkable sulfonic acid polymers and a process of preparing them.
- 120482 (21-3-69) Pesticidal composition.
- 120505 (24-3-69) Bakery products and process and preparing the same.
- 120722 (3-4-69) A method of solvent extraction of mineral oils using furfural as solvent.
- 120983 (19-4-69) Method and apparatus for refining molten iron or iron alloys.
- 121011 (21-4-69) Controlled composition of off-gas and a process for achieving such composition from basic oxygen furnace convertors.
- 122050 (30-6-69) Improved process for growing algae.
- 122271 (15-7-69) Method and device for purifying water.

122964 (30-8-69) A method of concentration of pulverized weakly magnetic materials and a magnetic filter and separator for its embodiment.

123278 (24-9-69) Process and apparatus for the manufacture of most finely pulverized red phosphorus.

123429 (4-10-69) Process for production of isochromans.

123998 (1-3-69) An improved process for the preparation of substituted alkyl nitrate esters from glycol ethers.

123999 (1-3-69) An improved process for the preparation of alkyl nitrate esters from alicyclic alcohols.

124000 (1-3-69) An improved process for the preparation of alkyl nitrate esters from aliphatic alcohols.

129337 (20-3-69) A sulphonated polymer and a process for sulphonating a polymer containing olefinic unsaturation.

## RENEWAL FEES PAID

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 120296 132134

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 3. No. 141480. Dunlop Limited, a British Company, of Dunlop House, Ryder Street, St. James's, London, S.W.1., England, "Tyre for a vehicle wheel", December 7, 1973.

Class 3. No. 141483. Pradip Maganlal Ajmera of 58A, Gamdevi Road, Prerana, Bombay-400 007, Maharashtra, an Indian, "Plunger of menstrual regulation syringe", December 7, 1973.

Class 3. No. 141484. Pradip Maganlal Ajmera, of 58A, Gamdevi Road, Prerana, Bombay-400 007, Maharashtra, an Indian, "Menstrual regulation syringe", December 7, 1973.

Class 3. No. 141489. Ram Sarup Kathuria son of Shri Hari Chand, A/46 Kirti Nagar, New Delhi-15, an Indian national, "The sole of shoes", December 7, 1973.

Class 3. No. 141492. Ram Sarup Kathuria son of Shri Hari Chand, A/46, Kirti Nagar, New Delhi-15, an Indian national, "The sole of shoes", December 7, 1973.

Class 10. Nos. 141490 & 141491. Ram Sarup Kathuria son of Shri Hari Chand, A/46, Kirti Nagar, New Delhi-15, an Indian national, "The shoes", December 7, 1973.

NAME INDEX FOR APPLICANTS FOR PATENTS FOR THE MONTH OF MAY, 1974 (Nos. 978/Cal/74 TO 1202/Cal/74, 173/Bom/74 TO 214/Bom/74 AND 79/Mas/74 TO 98/Mas/74).

## Name &amp; Application No.

— A —

Ab Bofors—1176/Cal/74

Abraham, I.J.—87/Mas/74

Adyanthaya, P. B.—205/Bom/74

Agarwal, P.—1082/Cal/74, 1099/Cal/74, 1161/Cal/74, 1182/Cal/74.

Agarwal, R. H.—204/Bom/74

Albright &amp; Wilson Ltd.—1131/Cal/74

Alcan Research and Development Ltd.—1072/Cal/74

Allied Steel &amp; Tractor Products, Inc.—1134/Cal/74

Ambe, S. B.—211/Bom/74

Amburn, R. D.—1181/Cal/74

American Cyanamid Co.—1109/Cal/74, 1197/Cal/74, 1198/Cal/74.

American Flange &amp; Manufacturing Co., Inc.—1027/Cal/74

Ammonia Casale S. A.—1095/Cal/74

Andhra Pradesh Electrical Equipment Corp.—83/Mas/74, 91/Mas/74.

Archifar Industrie Chimiche Del Trentino S.p.A.—1038/Cal/74

Armco Steel Corp.—1115/Cal/74

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Arora, J.N.—1050/Cal/74

Asazi, A.A.K.—86/Mas/74

Audo, M.—1189/Cal/74

Ayyangar, S.N.—94/Mas/74

## B

Baheti, J.P.—1098/Cal/74

Balasubramaniam P.—1162/Cal/74

Banque Pour L'Expansion Industrielle "Banexi".—1086/Cal/74

Bayer Aktiengesellschaft.—1010/Cal/74, 1021/Cal/74, 1127/Cal/74

Bedekar, M.B. (Mrs.)—191/Bom/74

Bellare, R.A. (Dr.)—190/Bom/74

Berckheim, C.G.V.—1049/Cal/74

Bhat, P.C.—197/Bom/74

Boots Company Ltd., The—1073/Cal/74, 1141/Cal/74

Bose, S.K.—1006/Cal/74

British Steel Corp.—1130/Cal/74

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## C

Cabot Corp.—1074/Cal/74

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Central Council for Research in Indian Medicine and Homoeopathy, Director, The—1042/Cal/74, 1043/Cal/74

Central Machine Tool Institute, The—95/Mas/74

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Century Rayon (Prop. The Century Spinning &amp; Manufacturing Co. Limited).—188/Bom/74

Chadha, B.R.—1111/Cal/74

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Chatterjee, J.—1093/Cal/74

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Devi, S.—1123/Cal/74

Diamond Shamrock Corp.—1003/Cal/74

Director, Central Council for Research in Indian Medicine and Homoeopathy, The—1042/Cal/74, 1043/Cal/74

Director General Indian Council of Medical Research, Ansari Nagar, New Delhi-16, India.—1156/Cal/74, 1157/Cal/74, 1195/Cal/74

## Name &amp; Application No.

Director, Indian Agricultural Research Institute.—1063/Cal/74

Dow Chemical Co., The—1112/Cal/74

Dunlop Ltd.—1129/Cal/74

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## E

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## F

Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius &amp; Bruning.—1033/Cal/74, 1092/Cal/74, 1180/Cal/74,

Ferranti Ltd.—1151/Cal/74

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Flair Finance and Business Ltd.—1091/Cal/74

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Foseco International Ltd.—1024/Cal/74

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## H

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Indian Council of Medical Research, Ansari Nagar, New Delhi-16, India, Director General.—1156/Cal/74, 1157/Cal/74, 1195/Cal/74

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 Indian Oxygen Ltd.—1183/Cal/74  
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## J

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## K

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 Kale, R. G.—173/Bom/74.  
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## L

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## M

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 Marconi Company Ltd., The—1088/Cal/74.  
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 Mavrovic, I.—1025/Cal/74.  
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## N

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## O

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 Oxy Metal Finishing Corp.—1018/Cal/74.

## P

Palkhiwala, J. P.—174/Bom/74 and 179/Bom/74.  
 Patankar, B. V.—90/Mas/74.  
 Paul, J. K.—1143/Cal/74, 1144/Cal/74, 1145/Cal/74.  
 Payne, P. R.—1142/Cal/74.  
 Peltex S. A.—1014/Cal/74.  
 Pepro-Societe pour le Developpement et la Vente de Specia-lites Chimiques.—1116/Cal/74.  
 Pfizer Inc.—1019/Cal/74 and 1113/Cal/74.  
 Phatak, D. R.—173/Bom/74.  
 Produits Chimiques Ugine Kuhlmann.—992/Cal/74.  
 Pullman Inc.—1046/Cal/74.

## R

Radhakrishnani, G. B.—192/Bom/74 and 193/Bom/74.  
 R. A. Lister & Company Ltd.—1036/Cal/74.  
 Ralliwolf Ltd.—212/Bom/74.  
 Rao, T. D.—96/Mas/74.  
 Rhone-Progil S. A.—1065/Cal/74.  
 Robert Bosch GmbH.—1179/Cal/74.  
 Rohm and Haas Co.—1178/Cal/74.  
 Ronson Industrial Engineers Pvt. Ltd.—1122/Cal/74.

## S

Sabharwal, A.—89/Mas/74.  
 Saint-Gobain Industries.—1155/Cal/74.  
 Saku Bai, R. (Mrs.)—84/Mas/74.  
 Sanadi, R. L.—211/Bom/74.  
 Sandoz Ltd.—1012/Cal/74.  
 Sandvik Aktiebolag.—1052/Cal/74.  
 Satyanarayana, V. S.—1122/Cal/74.  
 Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—1013/Cal/74 and 1054/Cal/74.  
 Shell Internationale Research Maatschappij B. V.—985/Cal/74.  
 Shri Ram Institute for Industrial Research.—1084/Cal/74.  
 Shunmugavel, S. M.—88/Mas/74.  
 Siemens Aktiengesellschaft.—1119/Cal/74, 1120/Cal/74 and 1121/Cal/74.  
 Silvetti, A. N.—1094/Cal/74.  
 Simas Group Research and Development Ltd.—1097/Cal/74.  
 Singer Co., The—1184/Cal/74.  
 Singh, B. P. N.—1148/Cal/74.  
 Singh, M. V.—998/Cal/74.  
 Singh, S.—1148/Cal/74.  
 Sivarajan, T. K.—92/Mas/74 and 93/Mas/74.

## Name &amp; Appln. No.

Smith, H.—999/Cal/74, 1000/Cal/74 and 1001/Cal/74.  
 Snam Progetti S.p.A.—1034/Cal/74, 1035/Cal/74, 1048/Cal/74 and 1159/Cal/74.  
 Societe D'Etudes De Machines Thermiques.—1087/Cal/74.  
 Societe D'Etudes Scientifiques Et Industrielles De L'ile-de-France.—1089/Cal/74.  
 Sofretes-Societe Francaise  
 D'Etudes Thermiques Et  
 D'Energie Solaire.—1174/Cal/74.  
 Spaay, A.—1075/Cal/74.  
 Srinivasan, V.—994/Cal/74, 995/Cal/74 and 996/Cal/74.  
 Stamicarbon B. V.—984/Cal/74.  
 Standard Brands Inc.—1040/Cal/74.  
 Standard Oil Co.—1045/Cal/74.  
 Standard Oil Co., The—1037/Cal/74.  
 Stauffer Chemical Co.—1079/Cal/74.  
 Subramanyam, B. N.—82/Mas/74.  
 Svenska Rotor Maskiner Aktiebolag.—1126/Cal/74.  
 Swiss Aluminium Ltd.—1154/Cal/74.

## T

Tatabanyai Szembanyak.—1064/Cal/74.  
 Th. Goldschmidt Ag.—1160/Cal/74.  
 Toyomenka (America), Inc.—1110/Cal/74.  
 Tsentralny Nauchno-Issledovatelsky Institut Tekhnologii Mashinostroenia.—1153/Cal/74.

## U

Unilever Ltd.—1023/Cal/74.  
 Union Carbide Corp.—1067/Cal/74, 1140/Cal/74, 1201/Cal/74 and 1202/Cal/74.

## Name &amp; Appln. No.

Universal Oil Products Co.—1009/Cal/74 and 1104/Cal/74.  
 Uss Engineers and Consultants, Inc.—1066/Cal/74, 1128/Cal/74 and 1137/Cal/74.

## V

Vadodkar, A. D.—173/Bom/74.  
 Varma, R.—85/Mas/74.  
 Vasudeva Rao, U. V.—80/Mas/74.  
 Veb Wirkmaschinenbau Karl-Marx-Stadt.—1188/Cal/74.  
 Velsicol Chemical Corp.—1138/Cal/74.  
 Virkar, V. R.—178/Bom/74.  
 Vulcan Materials Co.—1136/Cal/74.

## W

Warner-Lambert Co.—1071/Cal/74.  
 Wavin B. V.—1117/Cal/74.  
 Westerwalder Eisenwerk Gerhard Kg.—1146/Cal/74.  
 Westinghouse Electric Corp.—986/Cal/74 and 1106/Cal/74.  
 Wheelabrator-Frye Inc.—1108/Cal/74.

## Y

Yechury, S. S.—1005/Cal/74.

## Z

Zarina Noshirwanji A.—185/Bom/74, 186/Bom/74, 187/Bom/74 and 213/Bom/74.  
 Zippertubing Co., The—1186/Cal/74 and 1187/Cal/74.

S. VEDARAMAN,  
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